

**ASSEMBLY BILL**

**No. 2855**

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**Introduced by Assembly Member Hancock**

February 22, 2008

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An act to add Article 6.1 (commencing with Section 54710) and Article 6.2 (commencing with Section 54720) to Chapter 9 of Part 29 of Division 4 of Title 2 of the Education Code, relating to career technical education.

LEGISLATIVE COUNSEL'S DIGEST

AB 2855, as introduced, Hancock. Career technical education: partnership academies: green technology and goods movement.

Existing law provides for the establishment of partnership academies by participating school districts and establishes criteria qualifying pupils in grades 10, 11, and 12 for enrollment in the academies. Existing law establishes the parameters for the Superintendent of Public Instruction to issue a maximum of 155 grants per year to school districts maintaining high schools that meet the partnership academy eligibility requirements.

This bill would establish 2 new categories of partnership academies, the Green Technology Partnership Academies and the Goods Movement Partnership Academies. Commencing with the 2009–10 school year, the State Department of Education, in coordination with the Superintendent, when funds become available for additional partnership academies, would be required to issue grants for the establishment of 9 partnership academies dedicated to training young people in the emerging environmentally sound technologies related to the design and construction industries, and 4 partnership academies dedicated to training young people in goods movement occupational areas, such as port and terminal operations, shipping, logistics, trucking, rail, air, and

security, as space becomes available within the total number of grants available for all partnership academies under existing law. The selection of school districts to establish the new partnership academies and the planning and development of the new partnership academies would be required to be conducted pursuant to the procedures and requirements established for all partnership academies under existing law.

The bill, in the event a school district applies to convert an existing school program to one of the new types of partnership academies and meets all the specified criteria for that new partnership academy, would authorize the department, in coordination with the Superintendent, to provide that academy with first-year implementation funds. In order to be eligible for funding for a new type of partnership academy, this bill would require the coursework and internship or preapprenticeship programs of the proposed academy to focus on the appropriate academy purposes. This bill would require staff development opportunities to be included in the academy plans.

Vote: majority. Appropriation: no. Fiscal committee: yes.  
State-mandated local program: no.

*The people of the State of California do enact as follows:*

- 1 SECTION 1. The Legislature finds and declares all of the
- 2 following:
- 3 (a) Initiatives taken by the State of California and by California
- 4 cities to reduce energy consumption through green building has
- 5 resulted in a huge demand for a skilled workforce, for example,
- 6 on December 14, 2004, Governor Schwarzenegger issued Executive
- 7 Order S-20-04 with the goal of reducing energy use in state-owned
- 8 buildings by 20 percent by 2015, from the 2003 baseline. The
- 9 executive order also encourages the private commercial sector to
- 10 set the same goal.
- 11 (b) The office of the President of the University of California;
- 12 the California State University; the San Francisco, Los Angeles,
- 13 and Peralta Community College Districts; the Public Employees'
- 14 Retirement System; the State Teachers' Retirement System; and
- 15 other public entities have passed initiatives that will reduce energy
- 16 use through energy-efficient retrofitting and green building for
- 17 new construction and retrofitting.
- 18 (c) Cities across the state have passed green building ordinances,
- 19 from green building design and construction guidelines, including,

1 but not limited to, meeting Leadership in Energy and  
2 Environmental Design (LEED) standards, and construction and  
3 demolition waste recycling ordinances.

4 (d) The movement towards green building in California matches  
5 nationwide economic growth patterns; according to preliminary  
6 results of a McGraw-Hill Construction/National Association of  
7 Home Builders (NAHB) survey, there was a 20-percent increase  
8 in 2005 in the number of homebuilders focused on green,  
9 environmentally responsible building. This number is expected to  
10 have increase by another 30 percent in 2006.

11 (e) By 2010, residential green building is expected to grow to  
12 between \$19,000,000,000 and \$38,000,000,000 in the United  
13 States.

14 (f) Three-quarters of the buildings in the United States will be  
15 built through new construction or will be modernized during the  
16 next 30 years.

17 (g) Clean technology, or “Clean Tech,” has been described as  
18 “the biggest economic opportunity of the 21st century,” moving  
19 to the third-highest investment category within the entire venture  
20 asset class, overtaking the semiconductor sector in terms of dollars  
21 being invested. Passage of AB 32 in 2006 (Chapter 448 of the  
22 Statutes of 2006) will increase the need for green technology efforts  
23 to meet industry efforts to reduce greenhouse gas emissions.

24 (h) Green building is a recognized approach to mitigating  
25 climate change, as buildings are responsible for 40 percent of all  
26 greenhouse gas emissions annually and 76 percent of all electricity  
27 in the United States.

28 (i) The great demand placed upon the green building sector is  
29 making it difficult for modern energy professionals, such as energy  
30 service companies, to meet work demands due to a shortage of  
31 trained workers in fields such as heating, ventilation, and air  
32 conditioning (HVAC), lighting, refrigeration, carpentry, masonry,  
33 and roofing.

34 (j) Green building demands are necessitating the development  
35 of curriculum to train young people, prepare them to serve the  
36 growing labor market, and provide access to meaningful,  
37 career-oriented jobs.

38 (k) Career and partnership academy programs in green building  
39 could provide graduates with a direct link to advanced community

1 college-level certification programs in sustainability or trades  
2 apprenticeships.

3 SEC. 2. Article 6.1 (commencing with Section 54710) is added  
4 to Chapter 9 of Part 29 of Division 4 of Title 2 of the Education  
5 Code, to read:

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7 Article 6.1. Green Technology Partnership Academies

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9 54710. (a) Commencing with the 2009–10 school year, the  
10 department, in coordination with the Superintendent, when funds  
11 become available for additional partnership academies, shall issue  
12 grants for the establishment of 9 partnership academies dedicated  
13 to training young people in the emerging environmentally sound  
14 technologies related to the design and construction industries as  
15 space becomes available for new partnership academies within the  
16 total number of grants available for all partnership academies  
17 pursuant to Section 54691.

18 (b) (1) The selection of school districts to establish the green  
19 technology partnership academies and the planning and  
20 development of the green technology partnership academies shall  
21 be conducted pursuant to the procedures and requirements  
22 established in Section 54691 for all partnership academies. The  
23 planning grants shall be made available for 9 academies pursuant  
24 to this article from the total number of grants established pursuant  
25 to Section 54691.

26 (2) In the event a school district applies to convert an existing  
27 school program to a partnership academy and meets all the criteria  
28 for a partnership academy pursuant to Section 54692 and paragraph  
29 (3), the department, in coordination with the Superintendent, may  
30 provide that academy with first-year implementation funds, as  
31 appropriate.

32 (3) (A) In order to be eligible for funding pursuant to this article,  
33 the coursework and internship or preapprenticeship programs of  
34 the proposed academy shall focus on the use of environmentally  
35 sound design and construction practices, including the use of  
36 energy efficient heating and air conditioning systems, solar, and  
37 other alternative energy sources. The proposed academy shall  
38 demonstrate this through its efforts to obtain input from  
39 environmental industry, utilities, and professional trade  
40 organizations.

1 (B) Staff development opportunities also shall be included in  
2 the academy plans to ensure that teaching staff has the opportunity  
3 to be trained in the use of emerging technologies and to become  
4 familiar with new materials and current practices in the field.

5 SEC. 3. Article 6.2 (commencing with Section 54720) is added  
6 to Chapter 9 of Part 29 of Division 4 of Title 2 of the Education  
7 Code, to read:

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9 Article 6.2. Goods Movement Partnership Academies  
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11 54720. (a) Commencing with the 2009–10 school year, the  
12 department, in coordination with the Superintendent, with funds  
13 appropriated in the annual Budget Act for all partnership  
14 academies, shall issue grants for the establishment of four  
15 partnership academies dedicated to training young people in goods  
16 movement occupational areas, such as port and terminal operations,  
17 shipping, logistics, trucking, rail, air, and security as space becomes  
18 available for new partnership academies within the total number  
19 of grants available for all partnership academies pursuant to Section  
20 54691.

21 (b) (1) The selection of school districts to establish the goods  
22 movement partnership academies and the planning and  
23 development of the goods movement partnership academies shall  
24 be conducted pursuant to the procedures and requirements  
25 established in Section 54691 for all partnership academies. The  
26 planning grants shall be made available for four academies pursuant  
27 to this article from the total number of grants established pursuant  
28 to Section 54691.

29 (2) In the event a school district applies to convert an existing  
30 school program to a partnership academy and meets all the criteria  
31 for a partnership academy pursuant to Section 54692 and paragraph  
32 (3), the department, in coordination with the Superintendent, may  
33 provide that academy with first-year implementation funds, as  
34 appropriate.

35 (3) (A) In order to be eligible for funding pursuant to this article,  
36 the coursework and internship or preapprenticeship programs of  
37 the proposed academy shall focus significant time on the use of  
38 emerging technologies and state-of-the-art equipment. The  
39 proposed academy shall demonstrate this through its efforts to  
40 obtain input from industry and professional trade organizations.

- 1 (B) Staff development opportunities also shall be included in
- 2 the academy plans to ensure that teaching staff has the opportunity
- 3 to be trained in the use of emerging technologies and to become
- 4 familiar with new equipment and current practices in the field.